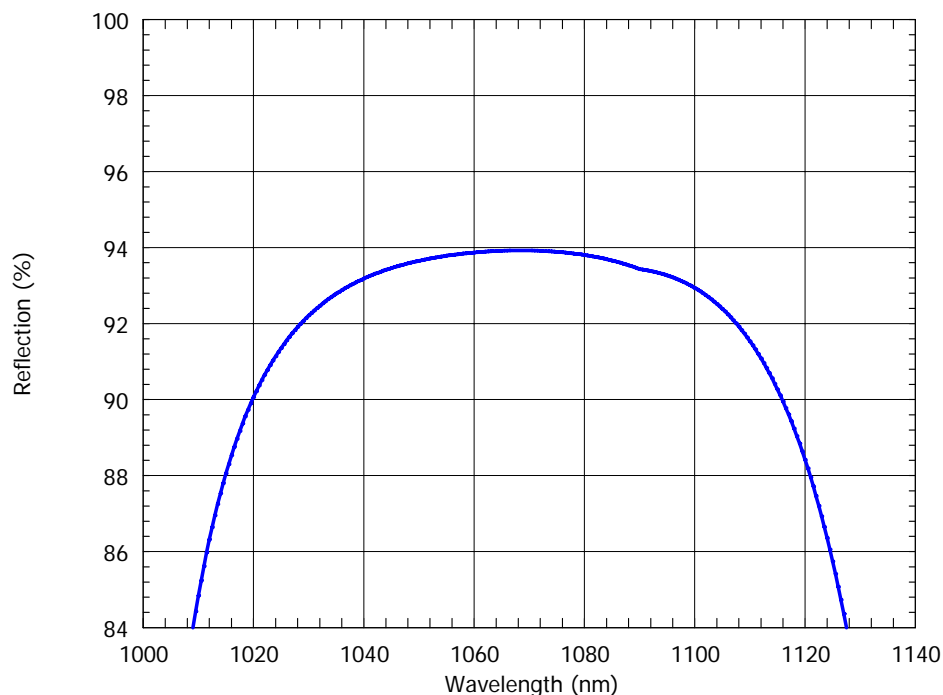


SOC data sheet SOC-1064-2.7-x, $\lambda = 1064 \text{ nm}$

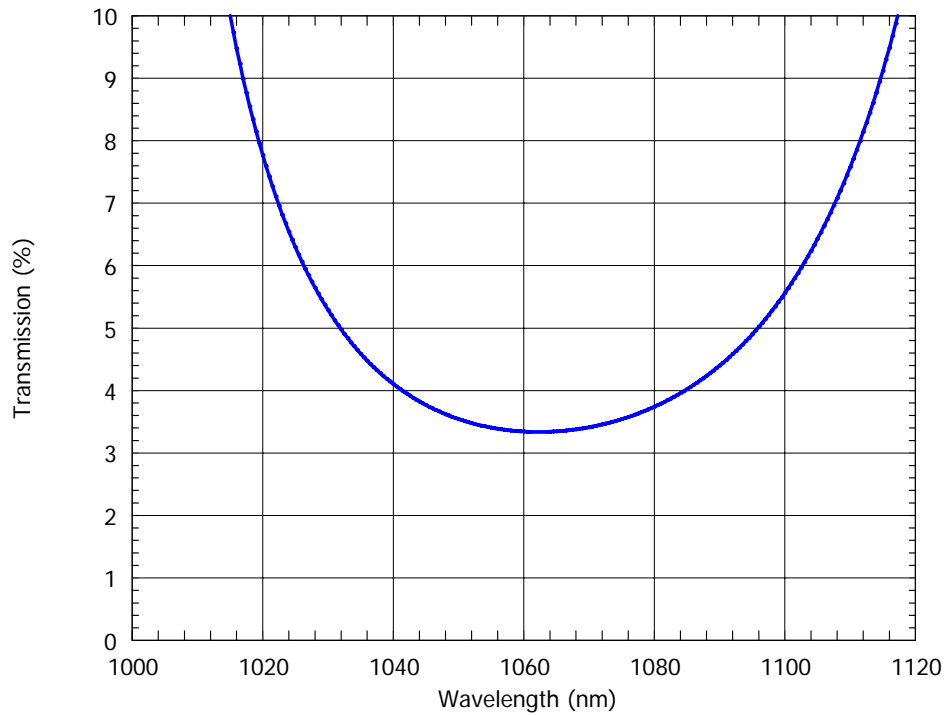
Laser wavelength	$\lambda = 1064 \text{ nm}$
Transmittance	$T = 3.2 \%$
Absorptance	$A_0 = 2.7 \%$
Modulation depth	$\Delta R = 1.7 \%$
Non-saturable loss	$A_{ns} = 1.0 \%$
Saturation fluence	$\Phi_{sat} = 90 \mu\text{J}/\text{cm}^2$
Relaxation time constant	$\tau \leq 3 \text{ ps}$
Chip area	5mm x 5mm; other dimensions on request
Chip thickness	625 μm ; semi-insulating GaAs
Front side protection	with a dielectric layer
Back side AR coating	the SOC back side is polished and antireflection coated for 1064 nm
Mounting of SOC-1064-2.7-x	denotes the type of mounting as follows:
$x = 0$	unmounted
$x = 12.7 \text{ g}$	glued on a copper heat sink with 12.7 mm \varnothing and 4 mm \varnothing center hole
$x = 25.4 \text{ g}$	glued on a copper heat sink with 25.4 mm \varnothing and 4 mm \varnothing center hole
$x = \text{FC}$	mounted on a 1 m monomode fiber cable with FC connector

Spectral low intensity reflectance



SOC 402-II

Spectral low intensity transmittance



Spectral low intensity absorptance

